IN THE CLAIMS:

1. (Currently amended) A control unit for an internal combustion engine including the three way having a three-way catalyst and HC adsorbent on an exhaust side of the engine,

wherein said control unit being configured alternately controls the A/F to control air-fuel ratio (A/F) between a rich state and a lean state in order to quicken the activation of said three way three-way catalyst when upon starting of said internal combustion engine starts.

2.-3. (Cancelled)

4. (Currently amended) A control unit for an internal combustion engine including the three way having a three-way catalyst on an exhaust side of the engine,

wherein said control unit has a having means for detecting the temperature of said three way three-way catalyst directly or indirectly, and

wherein control unit being configured to alternately controls the A/F control air-fuel ratio (A/F) between a rich state and a lean state in order to quicken the activation of the three way three-way catalyst when the if a temperature of said three way three-way catalyst is a value within the a predetermined fixed range.

5. (Currently amended) A control unit for an internal combustion engine including the three way having a three-way catalyst on an exhaust side of the engine,

wherein said control unit has a having means for detecting the an operating state of the internal combustion engine, and

wherein control unit being configured to alternately controls the A/F control air-fuel ratio (A/F) between a rich state and a lean state in order to quicken the activation of the three way said three-way catalyst based on the an operating state.

6. (Currently amended) A control unit for an internal combustion engine including the three way having a three-way catalyst and HC adsorbent operatively arranged in order on an exhaust side in the order of the engine,

wherein said control unit has a having means for detecting the a temperature of said HC adsorbent directly or indirectly, and

wherein control unit being configured to alternately controls the A/F control air-fuel ratio (A/F) between a rich state and a lean state in order to change the temperature of said HC adsorbent.

7. (Currently amended) The control unit for an internal combustion engine according to claim 6,

wherein <u>said</u> control unit <u>is configured to</u> alternately <u>controls</u> control the A/F between a rich state and a lean state when the temperature of said HC adsorbent is within the <u>predetermined</u> fixed range.

8. (Currently amended) A control unit for an internal combustion engine including having a catalyst which has the three way comprising a three-way catalyst and HC adsorbent in the same carrier on an exhaust side of the engine,

wherein said control unit being configured alternately controls the A/F to control air-fuel ratio (A/F) between a rich state and a lean state in order to change the a temperature of said HC adsorbent.